

Executive Summary Report

SMOG CHECK Statewide

February 2007

1. Testing Volume

	Total	Failed	Percent (%) Fail
Initial Test	761,609	98,161	12.89%
Total	886,079	125,967	14.22%

2. Certification Volume

	Cert. Issued	Percent (%) Cert. Issued	No Cert.	Percent (%) No Cert.
Initial Test	646,407	84.87%	115,202	15.13%
Total	736,686	83.14%	149,393	16.86%

2a. Certification Volume (Test Only)

	Cert. Issued	Percent (%) Cert. Issued	No Cert.	Percent (%) No Cert.
Initial Test	378,583	84.98%	66,932	15.02%
Total	435,479	83.96%	83,183	16.04%

3. Initial Test Failures by Failure Type

	Failed	Percent (%) Fail
Gross Polluters	17,689	2.32%
All Emissions	56,600	7.43%
All Visual	10,808	1.42%
All Functional	30,179	3.96%
OBDII	29,202	3.83%
Overall	98,161	12.89%

4. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	G.P.	Percent (%) G.P.
Enhanced	603,755	79,182	13.11%	13,999	2.32%
Partially Enhanced	37,261	5,483	14.72%	966	2.59%
Basic	68,742	7,941	11.55%	1,692	2.46%
Change of Ownership	5,747	817	14.22%	217	3.78%
No Program	5	0	0.00%	0	0.00%
Unknown Program	46,099	4,738	10.28%	815	1.77%
Total Program Area	761,609	98,161	12.89%	17,689	2.32%

5. Initial Test Failures by Station Type

Station Types	All Tests Performed	Failed	Percent (%) Failed	G.P.	Percent (%) G.P.
Test Only	445,515	65,329	14.66%	12,555	2.82%
Regular	266,537	26,385	9.90%	3,977	1.49%
Basic Area Dealer	5,353	287	5.36%	42	0.78%
Gold Shield in Enhanced Area	27,627	3,660	13.25%	602	2.18%
Gold Shield in Basic Area	7,019	1,078	15.36%	268	3.82%
Gold Shield in COO Area	3,935	564	14.33%	147	3.74%
Business Fleet	25	1	4.00%	0	0.00%
Permanent Fleet Registered	88	14	15.91%	0	0.00%
Referee	711	397	55.84%	67	9.42%
Government Fleet	4,796	446	9.30%	31	0.65%
Unknown Privilege	3	0	0.00%	0	0.00%
Total	761,609	98,161	12.89%	17,689	2.32%

5.a. Initial Tests at Test-Only Stations

	Initial Tests	Cert. Issued
Volunteers	213,735	188,937
Directed Vehicles	231,780	189,646
Total	445,515	378,583

5.b. Initial Tests at Gold Shield Stations

	Initial Tests	Cert. Issued
Volunteers	38,243	32,485
Directed Vehicles	338	62
Total	38,581	32,547

"Draft Report: This report is in a preliminary form. The numbers will change when the final report is posted."

6. Initial Tests by Vehicle Model Year

Model Year	Initial Test	Failed Overall	Percent (%) Fail Overall	Percent (%) Fail Emiss.	Percent (%) Fail G.P.	Percent (%) Fail Funct.	Percent (%) Fail Visual	Percent (%) Fail OBDII
1959	1	1	100.00%	100.00%	0.00%	0.00%	100.00%	0.00%
1965	2	2	100.00%	100.00%	50.00%	0.00%	50.00%	0.00%
1966	2	2	100.00%	100.00%	50.00%	0.00%	0.00%	0.00%
1968	1	1	100.00%	100.00%	0.00%	0.00%	0.00%	0.00%
1972	2	2	100.00%	50.00%	50.00%	100.00%	50.00%	0.00%
1973	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1974	9	2	22.22%	22.22%	0.00%	11.11%	11.11%	0.00%
1975	15	4	26.67%	20.00%	6.67%	20.00%	6.67%	0.00%
1976	1,507	457	30.33%	23.09%	11.28%	15.59%	9.75%	0.00%
1977	2,174	559	25.71%	17.89%	8.00%	14.26%	7.36%	0.00%
1978	2,389	609	25.49%	18.25%	8.46%	13.73%	8.08%	0.00%
1979	2,840	735	25.88%	20.28%	9.75%	13.31%	7.64%	0.00%
1980	1,832	512	27.95%	21.78%	11.68%	15.34%	8.90%	0.00%
1981	2,103	641	30.48%	25.39%	12.32%	16.64%	8.80%	0.00%
1982	2,392	708	29.60%	24.33%	11.12%	14.80%	7.73%	0.00%
1983	3,307	953	28.82%	23.68%	10.40%	14.82%	7.29%	0.00%
1984	6,214	1,890	30.42%	25.44%	13.15%	15.53%	6.98%	0.00%
1985	8,494	2,474	29.13%	23.97%	12.08%	15.05%	6.10%	0.00%
1986	11,620	3,048	26.23%	20.98%	9.31%	13.76%	5.20%	0.00%
1987	14,188	3,897	27.47%	22.62%	9.46%	13.25%	4.65%	0.00%
1988	16,829	4,092	24.32%	19.59%	7.56%	11.89%	3.81%	0.00%
1989	22,441	4,768	21.25%	16.66%	6.02%	10.53%	3.01%	0.00%
1990	26,284	5,186	19.73%	15.96%	5.46%	9.18%	2.46%	0.00%
1991	29,180	5,211	17.86%	14.20%	4.79%	8.14%	1.90%	0.00%
1992	29,166	4,951	16.98%	13.28%	4.18%	7.24%	1.75%	0.00%
1993	33,527	6,079	18.13%	14.86%	3.25%	6.86%	1.60%	0.00%
1994	39,593	5,841	14.75%	11.50%	2.54%	5.87%	1.65%	0.00%
1995	53,600	6,515	12.15%	8.98%	1.87%	4.75%	1.33%	0.00%
1996	36,176	6,764	18.70%	7.09%	1.15%	1.62%	1.11%	12.99%
1997	64,039	7,973	12.45%	4.21%	0.71%	1.17%	0.69%	8.67%
1998	47,966	5,652	11.78%	3.40%	0.61%	0.83%	0.66%	8.64%
1999	82,187	5,738	6.98%	1.59%	0.26%	0.52%	0.38%	5.19%
2000	46,073	4,120	8.94%	1.42%	0.35%	0.66%	0.48%	7.30%
2001	111,099	6,311	5.68%	0.54%	0.13%	0.56%	0.29%	4.78%
2002	19,408	890	4.59%	0.48%	0.13%	0.38%	0.23%	3.63%
2003	22,675	780	3.44%	0.26%	0.05%	0.31%	0.12%	2.59%
2004	7,612	283	3.72%	0.22%	0.09%	0.17%	0.24%	2.82%
2005	5,876	201	3.42%	0.22%	0.02%	0.34%	0.29%	2.50%
2006	6,928	232	3.35%	0.36%	0.09%	0.16%	0.29%	2.73%
2007	1,855	77	4.15%	1.56%	0.59%	0.27%	1.78%	1.89%
2008	2	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total Model Year	761,609	98,161	12.89%	7.43%	2.32%	3.96%	1.42%	3.83%

"Draft Report: This report is in a preliminary form. The numbers will change when the final report is posted."

7. Referee Activity

	Certificates Issued
Certificate of Compliance	554
Certificate of Non Compliance	0
Parts Cost	76
Hardship Extensions	89
Exempt Vehicle	82
Exempted by Directive	127
Parts Exemption	3
Unknown Outcome	0
	931

8. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,347
Stations Locked-Out at Least Once	137
Stations Conducted at Least One Test	7,703

9. Active Technicians

		Technician Count	Daily Average
EA	Both Endorsement	10,550	6,128
EA	Gas Endorsement	16	0
EB	Both Endorsement	55	0
EB	Gas Endorsement	568	0
GU	Both Endorsement	20	0

10. Inspections Costs

	ASM Initial Test Count	Avg ASM Inspection Cost	TSI Initial Test Count	Avg TSI Inspection Cost	Total Initial Tests	Overall Average Inspection Cost
Test Only	397,296	48.13	38,625	48.21	435,921	48.13
Test and Repair	185,051	46.83	77,544	44.13	262,595	46.03
Test and Repair Dealer	14	63.64	5,339	46.67	5,353	46.71
Referee	414	30.00	169	30.00	583	30.00
Gold Shield in Enhanced Area	20,496	45.69	6,918	41.53	27,414	44.64
Gold Shield in Basic Area	13	54.08	7,029	33.44	7,042	33.48
Gold Shield in COO Area	589	59.68	3,922	48.37	4,511	49.85

11. Repair Costs

	All Cost Ranges	Repair Count	Average Cost	(All Cost Ranges) Repair Count	(All Cost Ranges) Average Cost
Regular Repairs	\$0-50	6,771	22.63	22,916	209.88
	\$51-150	5,909	100.34		
	\$151-250	3,900	199.18		
	\$251-450	3,942	335.30		
	Over \$450	2,394	820.79		
Cap Repairs	\$0-50	144	25.00	2,701	326.52
	\$51-150	316	107.88		
	\$151-250	448	202.27		
	\$251-450	1,029	346.37		
	Over \$450	764	519.90		
Total Repairs	\$0-50	6,162	22.89	23,614	241.02
	\$51-150	5,216	100.71		
	\$151-250	4,098	199.47		
	\$251-450	4,788	338.90		
	Over \$450	3,350	771.68		

12. CAP Repair Costs

	Total Vehicles	Average Repair Cost
Cap Repairs	2,701	326.52

13. Drill-Through

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Tests	All Emission Tests	All Functional Tests	All Visual Tests
Acceleration Simulation Mode (ASM)	Basic	Referee	2	2	1	0	1	2	0	1

"Draft Report: This report is in a preliminary form. The numbers will change when the final report is posted."

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Tests	All Emission Tests	All Functional Tests	All Visual Tests
Acceleration Simulation Mode (ASM)	Basic	Test and Repair	43	6	1	0	3	2	1	0
Acceleration Simulation Mode (ASM)	Basic	Test Only	40	10	3	0	1	9	3	1
Acceleration Simulation Mode (ASM)	Change of Ownership	Test and Repair	8	1	1	0	1	1	1	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Test Only	0	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Enhanced	Business-Fleet	5	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	54	3	0	0	1	2	1	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	13,927	2,059	272	110	897	933	521	233
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	155	6	3	86	49	18	3
Acceleration Simulation Mode (ASM)	Enhanced	Permanent Fleet Registered	37	7	0	0	1	5	1	0
Acceleration Simulation Mode (ASM)	Enhanced	Referee	212	208	33	85	42	110	67	118
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	130,147	14,363	1,779	702	6,101	6,523	3,779	1,324
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	321,937	58,188	11,163	3,264	14,251	37,913	18,750	6,321
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in COO Area	27	8	0	1	1	5	3	1
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	2,312	526	99	21	146	321	158	58
Acceleration Simulation Mode (ASM)	Partial	Referee	8	9	1	6	0	4	5	8
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	16,385	2,969	491	170	835	1,807	901	325
Acceleration Simulation Mode (ASM)	Partial	Test Only	9,087	1,690	306	117	407	1,076	504	221
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	1,196	219	40	19	73	120	66	42
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	247	20	1	61	173	24	1
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	38	31	5	13	6	17	11	20

"Draft Report: This report is in a preliminary form. The numbers will change when the final report is posted."

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Tests	All Emission Tests	All Functional Tests	All Visual Tests
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	14,550	1,569	236	92	671	759	356	185
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	11,571	1,703	333	99	574	1,040	474	193
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	4,947	967	253	70	224	456	389	134
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	202	23	8	1	8	10	7	5
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	2,859	465	95	26	141	201	166	54
Two Speed Idle (TSI)	Basic	Government Fleet	0	13	1	1	7	1	5	0
Two Speed Idle (TSI)	Basic	Referee	34	42	8	17	9	15	20	23
Two Speed Idle (TSI)	Basic	Test and Repair	39,707	5,138	1,045	323	1,524	2,133	2,022	648
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	3,698	225	41	9	83	77	68	23
Two Speed Idle (TSI)	Basic	Test Only	6,975	1,050	236	64	286	493	334	143
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	61	11	3	1	4	4	5	1
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	1,771	376	107	24	67	213	148	51
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	115	16	5	1	4	8	6	2
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	1,997	269	64	17	67	129	105	40
Two Speed Idle (TSI)	Change of Ownership	Test and Repair Dealer	35	3	0	0	1	1	0	0
Two Speed Idle (TSI)	Change of Ownership	Test Only	789	138	37	11	30	84	43	18
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	416	37	2	2	25	6	7	4
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	349	46	5	0	21	10	14	1
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	2,374	301	71	22	136	108	74	41
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	23	3	0	6	7	5	0
Two Speed Idle (TSI)	Enhanced	Permanent Fleet Registered	20	7	0	1	0	3	5	2
Two Speed Idle (TSI)	Enhanced	Referee	44	28	4	11	9	8	5	18
Two Speed Idle (TSI)	Enhanced	Test and Repair	20,045	1,412	224	73	725	426	311	137
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	513	26	0	0	21	2	0	0
Two Speed Idle (TSI)	Enhanced	Test Only	24,988	2,302	437	106	1,093	853	478	210
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	32	5	1	0	3	2	2	0
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	192	28	7	2	9	13	9	5

"Draft Report: This report is in a preliminary form. The numbers will change when the final report is posted."

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Tests	All Emission Tests	All Functional Tests	All Visual Tests
Two Speed Idle (TSI)	Partial	Test and Repair	1,617	164	40	5	64	68	50	20
Two Speed Idle (TSI)	Partial	Test Only	737	77	21	3	25	30	21	8
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	314	58	10	3	25	18	22	7
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	868	102	26	7	37	42	41	13
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	484	46	13	4	12	22	13	6
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	7	1	0	3	3	0	0
Two Speed Idle (TSI)	Unknown Program	Referee	42	33	15	2	3	27	1	25
Two Speed Idle (TSI)	Unknown Program	Test and Repair	5,409	494	96	27	245	167	121	52
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	549	32	1	1	18	2	8	2
Two Speed Idle (TSI)	Unknown Program	Test Only	2,456	170	19	6	103	43	25	17
UnKnown TestType	Enhanced	Referee	12	15	0	2	0	15	2	14
UnKnown TestType	Partial	Referee	1	1	0	0	0	1	0	1
UnKnown TestType	Unknown Program	Referee	26	26	0	0	0	26	0	25

"Draft Report: This report is in a preliminary form. The numbers will change when the final report is posted."